

Table S4. List of accession numbers for the genome data used or generated in this study.

Strain	Type	Accession number	Reference
<i>Mycobacterium africanum</i> 01	Reference genome	NZ_LR993210.1	4
<i>Mycobacterium africanum</i> 65	Reference genome	NZ_LR993208.1	4
<i>Mycobacterium bovis</i> AF2122/97	Reference genome	LT708304.1	7
<i>Mycobacterium bovis</i> BCG Pasteur 1173P2	Reference genome	AM408590.1	10
<i>Mycobacterium bovis</i> BCG Russia	Reference genome	NZ_CUW001000001.1	8
<i>Mycobacterium bovis</i> BCG Tokyo 172	Reference genome	AP010918.1	9
<i>Mycobacterium canettii</i> CIPT 140010059 STB-A	Reference genome	HE572590.1	1
<i>Mycobacterium canettii</i> CIPT 140060008 STB-D	Reference genome	FO203507.1	1
<i>Mycobacterium canettii</i> CIPT 140070002 STB-E	Reference genome	NZ_LR993206.1	1
<i>Mycobacterium canettii</i> CIPT 140070005 STB-G	Reference genome	NZ_LR993207.1	1
<i>Mycobacterium canettii</i> CIPT 140070007 STB-I	Reference genome	NZ_LR993209.1	1
<i>Mycobacterium canettii</i> CIPT 140070010 STB-K	Reference genome	FO203509.1	1
<i>Mycobacterium canettii</i> CIPT 140070008 STB-L	Reference genome	FO203508.1	1
<i>Mycobacterium microti</i> ATCC 35782	Reference genome	NZ_LR882496.1	5
<i>Mycobacterium tuberculosis</i> H37Rv	Reference genome	AL123456.3	3
<i>Mycobacterium africanum</i> 01 donor	Sequencing reads	ERR5102806	This study
<i>Mycobacterium africanum</i> 65 donor	Sequencing reads	ERR5102807	This study
<i>Mycobacterium bovis</i> AF2122/97 donor	Sequencing reads	ERR5102808	This study
<i>Mycobacterium bovis</i> BCG Pasteur donor	Sequencing reads	ERR5102809	This study
<i>Mycobacterium bovis</i> BCG Russia donor	Sequencing reads	ERR5102810	This study
<i>Mycobacterium bovis</i> BCG Tokyo donor	Sequencing reads	ERR5102811	This study
<i>Mycobacterium microti</i> donor	Sequencing reads	ERR5102812	This study
<i>Mycobacterium tuberculosis</i> H37Rv donor	Sequencing reads	ERR5102813	This study
<i>Mycobacterium tuberculosis</i> H37Rv ΔRD1 donor	Sequencing reads	ERR5102814	This study
STB-A donor	Sequencing reads	ERR5104570	This study
STB-A ΔeccD1 donor	Sequencing reads	ERR5104571	This study
STB-A ΔRD1 donor	Sequencing reads	ERR5104572	This study
STB-D donor	Sequencing reads	ERR5104573	This study
STB-D ΔeccD1 donor	Sequencing reads	ERR5104574	This study
STB-G donor	Sequencing reads	ERR5104576	This study
STB-K donor	Sequencing reads	ERR5104577	This study
STB-K ΔeccD1 donor	Sequencing reads	ERR5104578	This study
STB-L donor	Sequencing reads	ERR5104579	This study
STB-E recipient	Sequencing reads	ERR5106562	This study
STB-G recipient	Sequencing reads	ERR5106563	This study
STB-I recipient	Sequencing reads	ERR5106564	This study
STB-K recipient	Sequencing reads	ERR5106565	This study
STB-L recipient	Sequencing reads	ERR5106566	This study
STB-L ΔeccD1 recipient	Sequencing reads	ERR5106567	This study
<i>Mycobacterium africanum</i> 01/STB-L RC1	Sequencing reads	ERR5159436	This study
<i>Mycobacterium africanum</i> 01/STB-L RC2	Sequencing reads	ERR5159437	This study
<i>Mycobacterium africanum</i> 65/STB-L RC1	Sequencing reads	ERR5159438	This study
<i>Mycobacterium africanum</i> 65/STB-L RC2	Sequencing reads	ERR5159439	This study
<i>Mycobacterium bovis</i> /STB-L RC1	Sequencing reads	ERR5159440	This study
<i>Mycobacterium bovis</i> /STB-L RC2	Sequencing reads	ERR5159441	This study
<i>Mycobacterium bovis</i> /STB-L ΔeccD1 RC1	Sequencing reads	ERR5159442	This study
<i>Mycobacterium bovis</i> BCG Pasteur/STB-L RC1	Sequencing reads	ERR5159443	This study
<i>Mycobacterium bovis</i> BCG Pasteur/STB-L RC2	Sequencing reads	ERR5159444	This study
<i>Mycobacterium bovis</i> BCG Pasteur/STB-L RC3	Sequencing reads	ERR5159445	This study
<i>Mycobacterium bovis</i> BCG Pasteur/STB-L RC4	Sequencing reads	ERR5159446	This study
<i>Mycobacterium bovis</i> BCG Russia/STB-L RC1	Sequencing reads	ERR5159447	This study
<i>Mycobacterium bovis</i> BCG Tokyo/STB-L RC1	Sequencing reads	ERR5159448	This study
<i>Mycobacterium bovis</i> BCG Tokyo/STB-L RC2	Sequencing reads	ERR5159449	This study
<i>Mycobacterium microti</i> /STB-G RC1	Sequencing reads	ERR5159450	This study
<i>Mycobacterium microti</i> /STB-L RC1	Sequencing reads	ERR5159451	This study
<i>Mycobacterium microti</i> /STB-L RC2	Sequencing reads	ERR5159452	This study
<i>Mycobacterium tuberculosis</i> H37Rv/STB-L RC1	Sequencing reads	ERR5159453	This study
<i>Mycobacterium tuberculosis</i> H37Rv ΔRD1/STB-L RC1	Sequencing reads	ERR5159454	This study

STB-A/STB-L RC1	Sequencing reads	ERR5163979	This study
STB-A Δ eccD1/STB-L RC1	Sequencing reads	ERR5163980	This study
STB-A Δ RD1/STB-L RC1	Sequencing reads	ERR5163981	This study
STB-A Δ RD1/STB-L RC2	Sequencing reads	ERR5163982	This study
STB-D/STB-I RC1	Sequencing reads	ERR5163983	This study
STB-D/STB-L RC1	Sequencing reads	ERR5163984	This study
STB-D Δ eccD1/STB-G RC1	Sequencing reads	ERR5163985	This study
STB-G/STB-E RC1	Sequencing reads	ERR5163986	This study
STB-G/STB-K RC1	Sequencing reads	ERR5163987	This study
STB-G/STB-L RC1	Sequencing reads	ERR5163988	This study
STB-G/STB-L RC2	Sequencing reads	ERR5163989	This study
STB-K/STB-G RC1	Sequencing reads	ERR5165871	This study
STB-K/STB-L RC1	Sequencing reads	ERR5165872	This study
STB-K Δ eccD1/STB-L RC1	Sequencing reads	ERR5165873	This study
STB-L/STB-G RC1	Sequencing reads	ERR5165874	This study
STB-L/STB-G RC2	Sequencing reads	ERR5165875	This study
STB-L/STB-I RC1	Sequencing reads	ERR5165876	This study
STB-L/STB-K RC1	Sequencing reads	ERR5165877	This study
STB-L/STB-K RC2	Sequencing reads	ERR5165878	This study

References

- Supply P, Marceau M, Mangenot S, Roche D, Rouanet C, Khanna V, Majlessi L, Criscuolo A, Tap J, Pawlik A, Fiette L, Orgeur M, Fabre M, Parmentier C, Frigui W, Simeone R, Boritsch EC, Debré A-S, Willery E, Walker D, Quail MA, Ma L, Bouchier C, Salvignol G, Sayes F, Cascioferro A, Seemann T, Barbe V, Locht C, Gutierrez M-C, Leclerc C, Bentley SD, Stinear TP, Brisse S, Médigue C, Parkhill J, Cruveiller S, Brosch R. 2013. Genomic analysis of smooth tubercle bacilli provides insights into ancestry and pathoadaptation of *Mycobacterium tuberculosis*. *Nature Genetics* 45:172-179.
- Cole ST, Brosch R, Parkhill J, Garnier T, Churcher C, Harris D, Gordon SV, Eiglmeier K, Gas S, Barry CE, Tekaia F, Badcock K, Basham D, Brown D, Chillingworth T, Connor R, Davies R, Devlin K, Feltwell T, Gentles S, Hamlin N, Holroyd S, Hornsby T, Jagels K, Krogh A, McLean J, Moule S, Murphy L, Oliver K, Osborne J, Quail MA, Rajandream MA, Rogers J, Rutter S, Seeger K, Skelton J, Squares R, Squares S, Sulston JE, Taylor K, Whitehead S, Barrell BG. 1998. Deciphering the biology of *Mycobacterium tuberculosis* from the complete genome sequence. *Nature* 393:537-544.
- Ates LS, Dippenaar A, Sayes F, Pawlik A, Bouchier C, Ma L, Warren RM, Sougakoff W, Majlessi L, van Heijst JWJ, Brossier F, Brosch R. 2018. Unexpected Genomic and Phenotypic Diversity of *Mycobacterium africanum* Lineage 5 Affects Drug Resistance, Protein Secretion, and Immunogenicity. *Genome Biol Evol* 10:1858-1874.
- Orgeur M, Frigui W, Pawlik A, Clark S, Williams A, Ates LS, Ma L, Bouchier C, Parkhill J, Brodin P, Brosch R. 2021. Pathogenomic analyses of *Mycobacterium microti*, an ESX-1-deleted member of the *Mycobacterium tuberculosis* complex causing disease in various hosts. *Microb Genom* 7.
- Malone KM, Farrell D, Stuber TP, Schubert OT, Aebersold R, Robbe-Austerman S, Gordon SV. 2017. Updated Reference Genome Sequence and Annotation of *Mycobacterium bovis* AF2122/97. *Genome Announc* 5.
- Abdallah AM, Hill-Cawthorne GA, Otto TD, Coll F, Guerra-Assunção JA, Gao G, Naeem R, Ansari H, Malas TB, Adroub SA, Verboom T, Ummels R, Zhang H, Panigrahi AK, McNerney R, Brosch R, Clark TG, Behr MA, Bitter W, Pain A. 2015. Genomic expression catalogue of a global collection of BCG vaccine strains show evidence for highly diverged metabolic and cell-wall adaptations. *Sci Rep* 5:15443.
- Seki M, Honda I, Fujita I, Yano I, Yamamoto S, Koyama A. 2009. Whole genome sequence analysis of *Mycobacterium bovis* bacillus Calmette-Guérin (BCG) Tokyo 172: a comparative study of BCG vaccine substrains. *Vaccine* 27:1710-6.
- Brosch R, Gordon SV, Garnier T, Eiglmeier K, Frigui W, Valenti P, Dos Santos S, Duthoy S, Lacroix C, Garcia-Pelayo C, Inwald JK, Golby P, Garcia JN, Hewinson RG, Behr MA, Quail MA, Churcher C, Barrell BG, Parkhill J, Cole ST. 2007. Genome plasticity of BCG and impact on vaccine efficacy. *Proc Natl Acad Sci U S A* 104:5596-601.